

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P321974

Luminaire Tested: **GAN-SA0C-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49803 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

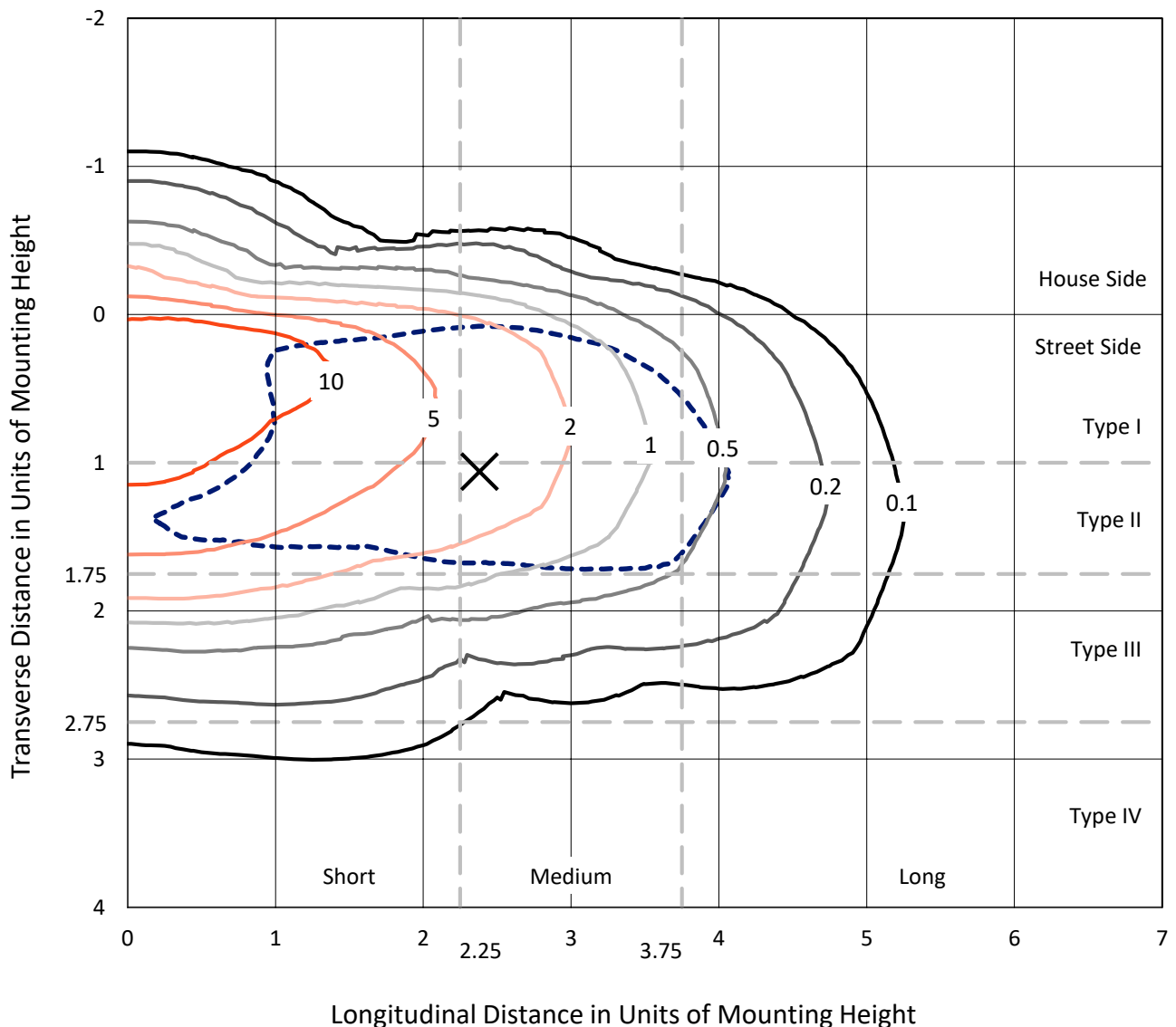




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Iso-Footcandle Lines of Horizontal Illumination

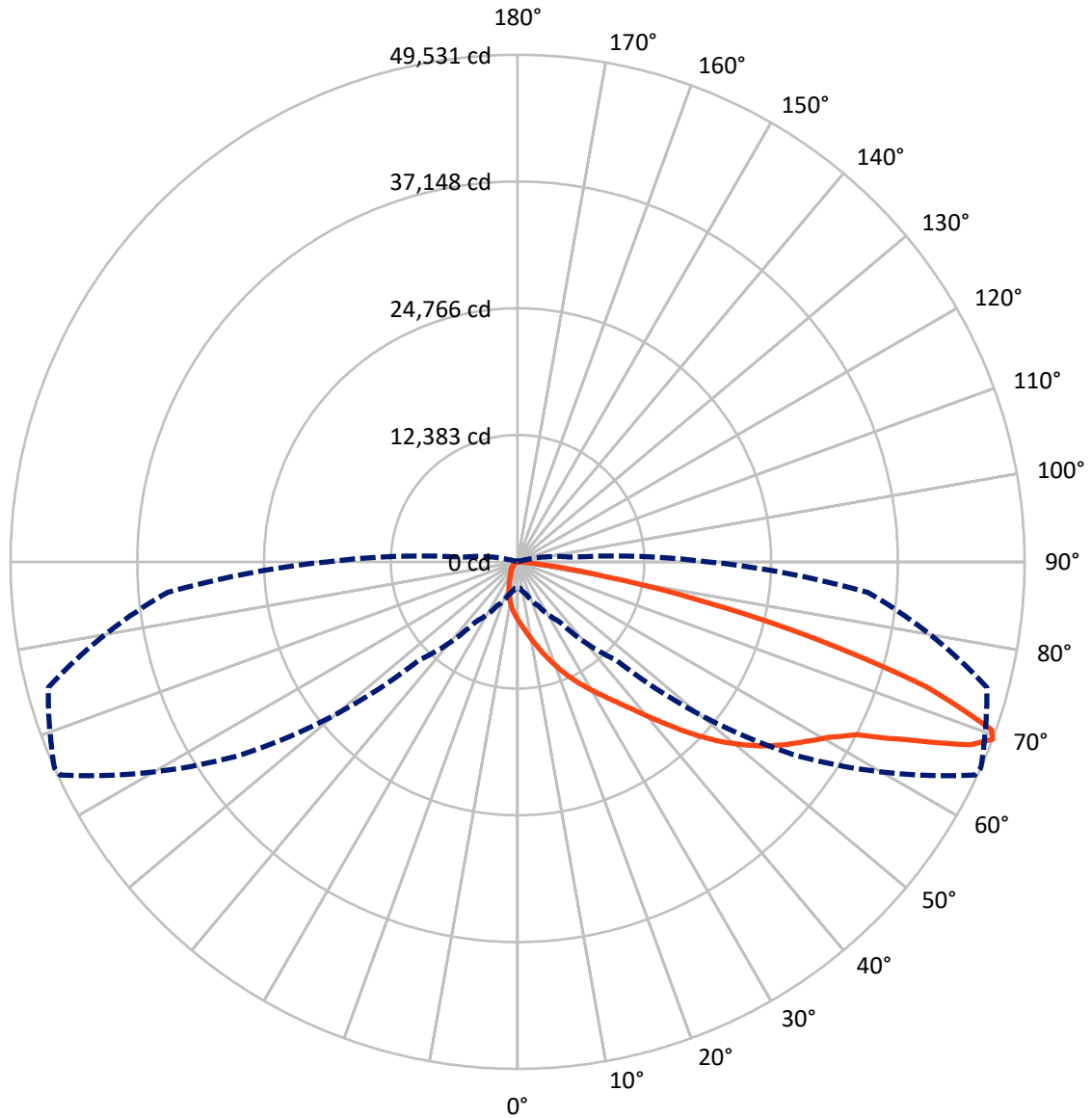
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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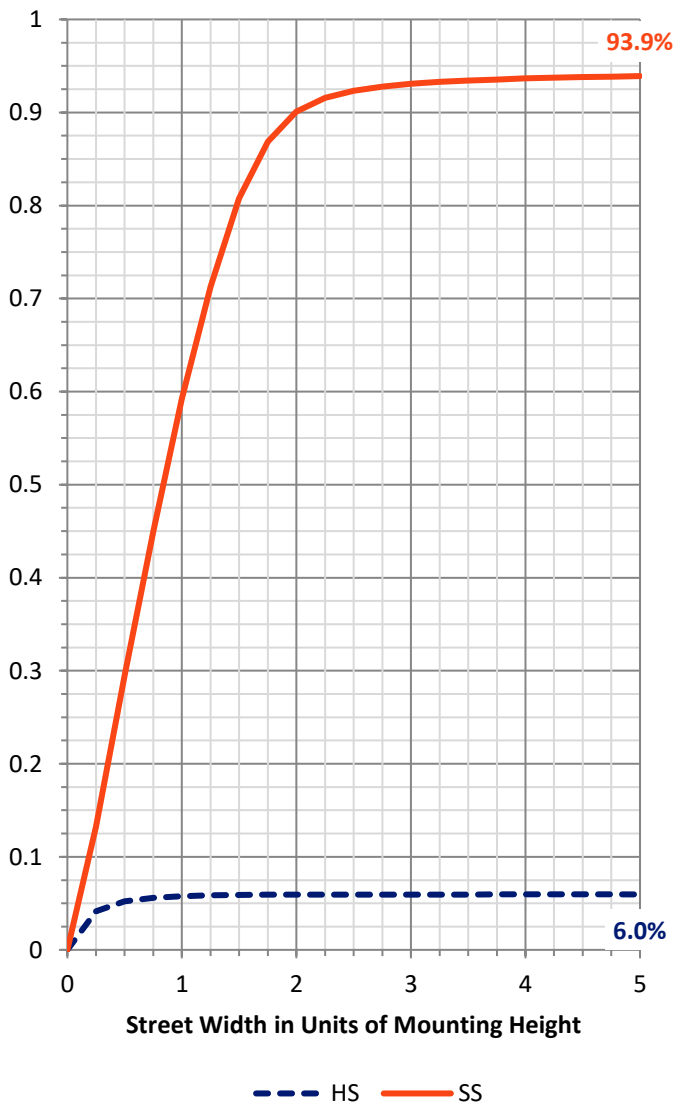
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2987.5	0.0	2987.5
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	46815.5	0.0	46815.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	49803.0	0.0	49803.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.9	1.1
10°-20°	1630.5	3.3
20°-30°	2839.4	5.7
30°-40°	4981.7	10.0
40°-50°	8338.5	16.7
50°-60°	12256.9	24.6
60°-70°	12584.7	25.3
70°-80°	6212.7	12.5
80°-90°	410.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	49803.0	100.0
0°-180°	49803.0	100.0

Coefficient of Utilization



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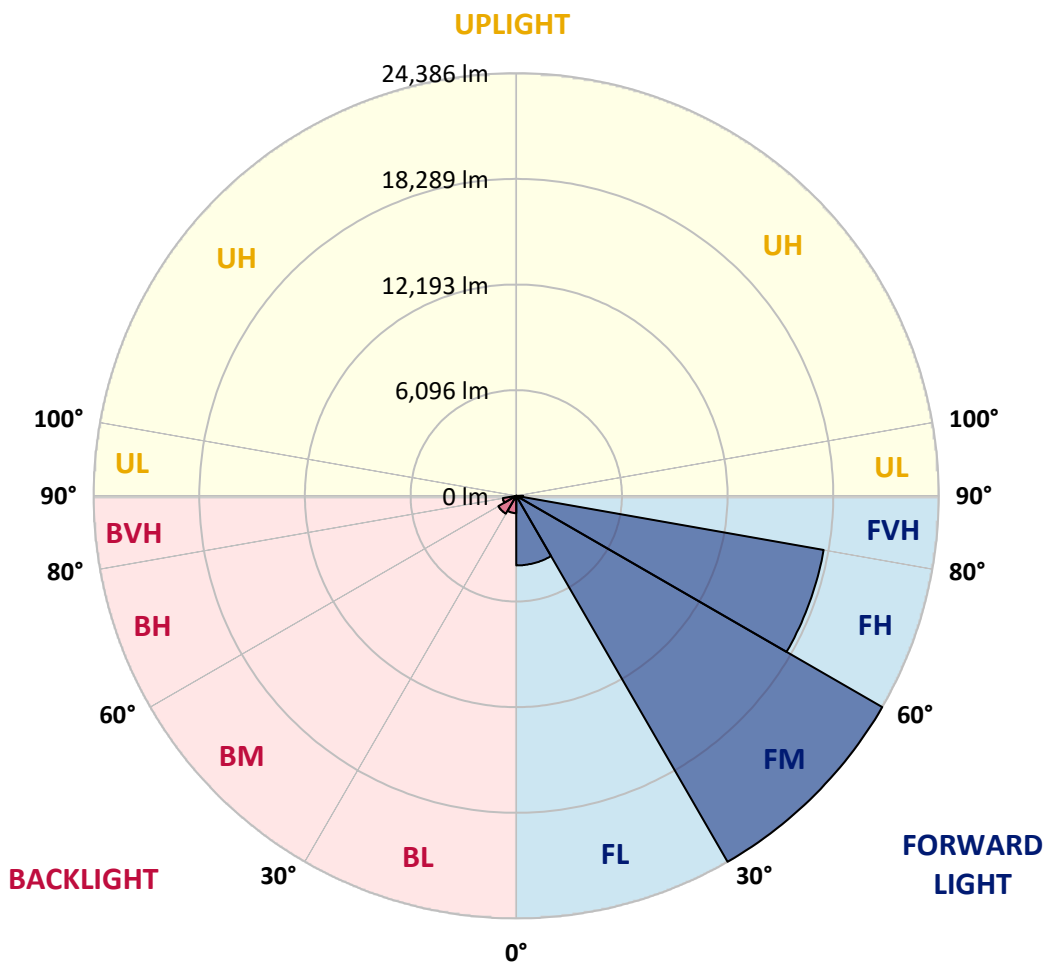
CATALOG NUMBER: GAN-SAOC-750-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4018.6	8.1			
FM (30°-60°)	24385.9	49.0			
FH (60°-80°)	18010.1	36.2			G5
FVH (80°-90°)	400.9	0.8			G3/500
BL (0°-30°)	999.1	2.0	B2/1000		
BM (30°-60°)	1191.1	2.4	B2/2500		
BH (60°-80°)	787.3	1.6	B2/1000		G2/1000
BVH (80°-90°)	9.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7
2.5°	6670.7	6642.3	6630.5	6578.5	6488.6	6420.0	6287.5	6133.7	6105.4	5956.3	5774.2
5°	7536.5	7512.8	7496.3	7422.9	7330.7	7158.0	6916.7	6630.5	6576.1	6292.2	5927.9
7.5°	8139.7	8182.3	8182.3	8135.0	8019.0	7888.9	7593.3	7203.0	7134.4	6699.1	6133.7
10°	8492.1	8544.2	8584.4	8624.6	8608.1	8556.0	8276.9	7836.9	7754.1	7176.9	6372.7
12.5°	8525.3	8577.3	8690.9	8858.8	9022.0	9140.3	8965.3	8539.5	8444.8	7730.5	6656.5
15°	8340.8	8395.2	8570.2	8896.7	9291.7	9637.1	9693.8	9317.7	9220.7	8390.4	7011.3
17.5°	8019.0	8054.5	8305.3	8757.1	9376.8	10010.8	10353.8	10152.7	10062.8	9145.0	7406.4
20°	7780.1	7806.2	8026.1	8511.1	9324.8	10245.0	10978.3	11039.8	10945.2	9954.0	7834.5
22.5°	8189.4	8236.7	8243.8	8473.2	9182.9	10360.9	11527.1	11912.7	11841.7	10812.7	8255.6
25°	9308.2	9362.7	9182.9	9040.9	9303.5	10412.9	11997.8	12806.8	12750.1	11737.6	8679.0
27.5°	10786.7	10843.5	10611.6	10188.2	9935.1	10609.3	12416.5	13715.2	13712.8	12716.9	9135.6
30°	12239.1	12295.9	12059.3	11635.9	11054.0	11165.2	12778.4	14666.1	14680.3	13727.0	9620.5
32.5°	13762.5	13833.5	13589.8	13045.7	12437.8	12125.6	13287.0	15621.8	15702.2	14897.9	10166.9
35°	15494.0	15503.5	15160.5	14590.4	13890.2	13410.0	14103.1	16693.3	16884.9	16348.0	10860.0
37.5°	17192.5	17261.1	16979.6	16080.7	15437.3	14893.2	15316.6	18032.2	18304.2	18119.7	11766.0
40°	18450.9	18595.2	18555.0	17585.1	16974.8	16586.9	16823.4	19624.2	19969.6	20182.5	12908.5
42.5°	19241.0	19349.8	19534.3	18950.0	18396.5	18460.4	18602.3	21478.8	21904.5	22533.8	14221.4
45°	20147.0	20199.0	20352.8	20094.9	19721.2	20364.6	20490.0	23567.5	24014.6	25062.5	15678.5
47.5°	21254.0	21377.0	21419.6	21183.1	21012.7	22048.8	22309.0	25467.0	26093.8	27771.0	17220.9
50°	22663.9	22697.0	22770.3	22616.6	22446.2	23496.5	23941.2	27461.1	28031.2	30488.9	18741.9
52.5°	24043.0	24161.2	24416.7	24319.7	24251.1	24729.0	25396.0	29258.9	29895.2	32755.1	20260.5
55°	24440.4	24542.1	25424.4	26027.6	26585.9	26247.6	26786.9	30869.8	31558.2	34780.0	21722.4
57.5°	22853.1	23058.9	24587.0	26157.7	28473.5	28608.4	28698.3	32523.3	33140.7	36331.7	23243.4
60°	18841.2	18881.4	21388.9	24083.2	28161.3	30668.7	31489.6	34299.8	34817.8	37777.1	25064.9
62.5°	11983.6	12392.9	15143.9	18947.7	24859.1	30370.7	34865.1	36987.0	37176.2	39511.0	27676.4
65°	5708.0	5972.9	7955.2	11706.9	18006.2	26555.1	37195.1	41848.1	41933.2	42948.0	31165.5
67.5°	3160.3	3288.0	4231.9	6301.7	10526.5	18779.7	36253.7	47605.7	47686.1	46458.4	34226.4
69°	2471.9	2580.8	3323.5	4749.9	7136.7	13497.6	32807.1	49292.3	49531.2	47463.8	34335.3
70°	2098.2	2204.6	2862.3	4011.9	5738.7	10429.5	29202.1	48873.6	49126.7	47369.2	33523.9
72.5°	1284.5	1346.0	1906.6	2824.4	3846.3	5246.7	18008.6	41332.4	41760.6	43451.9	28811.8
75°	865.8	898.9	1192.2	1949.2	2751.1	2701.4	9355.6	29133.5	30060.8	33800.6	21280.1
77.5°	619.8	650.5	799.5	1260.8	1927.9	1783.6	4236.6	18105.5	18304.2	20272.3	11605.1
80°	352.5	380.8	565.4	749.9	1308.1	1189.8	1684.2	8648.3	8747.6	8693.2	3874.7
82.5°	184.5	208.2	309.9	494.4	839.8	778.2	700.2	2895.4	2909.6	2419.9	849.2
85°	35.5	42.6	153.8	338.3	432.9	338.3	286.2	678.9	693.1	612.7	210.5
87.5°	0.0	2.4	61.5	75.7	85.2	87.5	92.3	132.5	141.9	191.6	56.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7	5667.7
2.5°	5693.8	5608.6	5445.4	5256.1	5109.5	4965.2	4851.6	4733.4	4690.8	4669.5	4667.1
5°	5750.5	5570.8	5225.4	4870.6	4579.6	4305.2	4108.9	3922.0	3834.5	3794.3	3777.7
7.5°	5845.2	5556.6	5000.7	4459.0	4040.3	3697.3	3425.2	3221.8	3120.1	3077.5	3061.0
10°	5956.3	5537.6	4738.1	4023.7	3489.1	3134.3	2864.6	2663.6	2552.4	2505.1	2481.4
12.5°	6086.4	5504.5	4435.3	3583.7	3018.4	2663.6	2337.1	2088.7	1961.0	1906.6	1880.6
15°	6247.3	5471.4	4118.3	3169.8	2604.4	2171.5	1814.3	1646.4	1620.4	1610.9	1613.3
17.5°	6405.8	5419.4	3773.0	2760.5	2169.2	1696.1	1513.9	1504.5	1509.2	1509.2	1509.2
20°	6547.7	5301.1	3396.9	2410.4	1755.2	1431.1	1393.3	1376.7	1364.9	1355.4	1343.6
22.5°	6658.9	5142.6	3034.9	2062.7	1433.5	1310.5	1251.4	1199.3	1156.7	1128.3	1114.2
25°	6734.6	4932.1	2703.8	1729.2	1289.2	1192.2	1085.8	998.2	932.0	891.8	875.2
27.5°	6791.4	4705.0	2408.1	1447.7	1189.8	1055.0	915.4	811.4	742.8	707.3	693.1
30°	6831.6	4447.1	2147.9	1272.6	1078.7	910.7	761.7	660.0	610.3	591.4	581.9
32.5°	6869.4	4160.9	1901.9	1189.8	974.6	778.2	638.7	560.6	529.9	506.2	499.1
35°	6964.0	3896.0	1667.7	1102.3	868.1	664.7	548.8	492.0	461.3	447.1	442.3
37.5°	7188.8	3699.6	1443.0	1012.4	761.7	574.8	480.2	440.0	411.6	397.4	392.7
40°	7550.7	3600.3	1253.7	915.4	657.6	506.2	435.3	397.4	366.7	345.4	340.6
42.5°	8082.9	3614.5	1121.2	818.5	574.8	451.8	392.7	347.7	314.6	295.7	291.0
45°	8728.7	3718.6	1029.0	723.8	506.2	409.2	345.4	298.1	267.3	250.7	246.0
47.5°	9428.9	3886.5	953.3	638.7	451.8	369.0	298.1	248.4	222.4	208.2	205.8
50°	10166.9	4049.7	875.2	555.9	404.5	328.8	250.7	205.8	184.5	172.7	168.0
52.5°	10914.4	4239.0	804.3	480.2	364.3	281.5	208.2	168.0	151.4	141.9	137.2
55°	11718.7	4380.9	735.7	421.1	324.1	238.9	172.7	139.6	125.4	113.5	111.2
57.5°	12664.9	4600.9	664.7	364.3	276.8	198.7	141.9	111.2	99.4	87.5	85.2
60°	13942.3	4858.7	589.0	321.7	227.1	163.2	115.9	89.9	75.7	66.2	63.9
62.5°	15626.5	5145.0	494.4	281.5	184.5	132.5	92.3	71.0	54.4	42.6	42.6
65°	17762.5	5611.0	404.5	236.6	151.4	108.8	71.0	52.0	30.8	18.9	18.9
67.5°	19009.2	5691.4	326.4	194.0	123.0	92.3	59.1	35.5	9.5	2.4	0.0
69°	18609.4	5225.4	276.8	165.6	106.4	87.5	54.4	26.0	4.7	0.0	0.0
70°	17857.2	4778.3	243.6	146.7	97.0	82.8	52.0	18.9	4.7	0.0	0.0
72.5°	14756.0	3401.6	184.5	108.8	71.0	73.3	47.3	11.8	4.7	0.0	0.0
75°	10748.8	2067.4	132.5	75.7	44.9	54.4	33.1	4.7	2.4	0.0	0.0
77.5°	5980.0	974.6	82.8	42.6	28.4	33.1	16.6	0.0	0.0	0.0	0.0
80°	1942.1	264.9	37.8	23.7	16.6	18.9	7.1	0.0	0.0	0.0	0.0
82.5°	359.6	75.7	21.3	11.8	4.7	4.7	0.0	0.0	0.0	0.0	0.0
85°	78.1	30.8	11.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	26.0	9.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)